



Protect Crete X550 Carpark Warehouse™

BPIR Declaration: Version: PCX550 BPIR V1 27112023

Designated building product: Class 1

Declaration:

Gilt Edge Industries has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

Product Name	Protect Crete X550 Carpark Warehouse™
Product Line	Colloidal Silicate Treatments for Concrete
Product Identifier	PCX550

Description:

X550 Carpark Warehouse™ is a proprietary silicate silicate water-based formulation spray applied to new and existing concrete providing a hardened, abrasion resistant and dust-proof surface, stain resistant from oils and other contaminants, and compatible with line marking paints and acrylic or solvent based coating products. A breathable, low VOC treatment for concrete, X550 Carpark Warehouse™ penetrates and chemically bonds to the silica, providing enhanced water repellence, oil, and stain resistance.

Adopting the use of X550 Carpark Warehouse™ at time of the concrete pour as an effective curing regime, will significantly reduce the incidence of dry shrinkage cracking, and provide a hardened, denser and dust proof concrete.

Scope of use:

1. Effective curing regime for freshly placed concrete.
2. Surface hardener and dust-proofer for concrete.
3. Concrete substrates that require stain resistance.

Examples for areas of use are as follows: internal or external exposed concrete surfaces. Multi-storey and ground level car parks, driveways, garages, warehouses, tilt panels, alfresco and communal areas.

Conditions of use:

X550 Carpark Warehouse™ must be applied as per the most recently published Technical Data Sheet (TDS) where well documented procedures in both surface preparation and application are located.

Coverage Rate: 5m² per Litre

**Important Notes:**

1. Wax, paint, curing compounds or a burnished surface restricting access to concrete's interior must be chemically or mechanically removed for X550 Carpark Warehouse™ to penetrate the substrate.
2. To test for adequate porosity, apply droplets of water on the concrete surface, if the droplets do not penetrate the concrete within 2 minutes, then X550 Carpark Warehouse™ will not function as intended and may be ineffective.
3. Areas of high porosity have a faster penetration rate. These areas that appear to penetrate immediately after spraying will require additional product. Re-application requires to be wet on wet, as when the product dries on the substrate surface the application will repel itself.
4. Do not apply on a frozen substrate or on a falling substrate temperature of below 3°C. Call for advice if applying during colder periods.
5. Do not apply on a substrate surface of 34°C or above. On hot days, the application of X550 Carpark Warehouse™ should take place in early morning or in the cool of the evening, out of direct sunlight.
6. Do NOT apply if rain is forecast within 24 hours.
7. X550 Carpark Warehouse™ may etch glass/tiles or dull brushed and shiny aluminium and can be difficult to remove from other surfaces once it dries. Cover and mask surrounding surfaces or rinse immediately if sprayed.

Storage and Handling procedures: please refer to the most recently published MSDS.

Relevant building code clauses:**Contributions to compliance:**

1. Building Regulations 1992 - Clause B2-Durability. X550 Carpark Warehouse™, with only normal maintenance, will continue to satisfy the performance requirements of Building Regulations for 15 years.
2. X550 Carpark Warehouse™ - achieves the curing of concrete requirements of NZS 3109:1997 & NZS 3101:part 1 2006.

Supporting documentation:

The following additional documentation supports the above statements:

Title (Type)	Version	URL
X550 Carpark Warehouse™ Technical Data Sheet	TDS 550 – V8 1-APR-23	https://giltedge.co.nz/download/tds-pcx550-carpark-warehouse
X550 Carpark Warehouse™ Material Safety Data Sheet	MSDS July 2021	https://giltedge.co.nz/product/protect-crete-x550-carpark-warehouse



Protect Colloidal Silicate Technology – Product Performance	Nov 2023	https://giltedge.co.nz/download/product-performance-document?wpdmdl=11955&refresh=65760872b3b4f1702234226
X550 Carpark Warehouse™ Pre-Warranty and Specification	Version 1: 14/09/2021	https://giltedge.co.nz/download/pre-warranty-specification
Protect Crete HACCP Certificate	PE-675-PC-1-06	https://giltedge.co.nz/download/protect-crete-haccp-certificate

For further information supporting X550 Carpark Warehouse™ claims refer to the manufacturer's website. www.oxtek.com.au

Contact details:

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Warnings and Bans

Is the building product/building product line subject to warning or ban under s26 of the Building Act 2004?



NO

Appendix